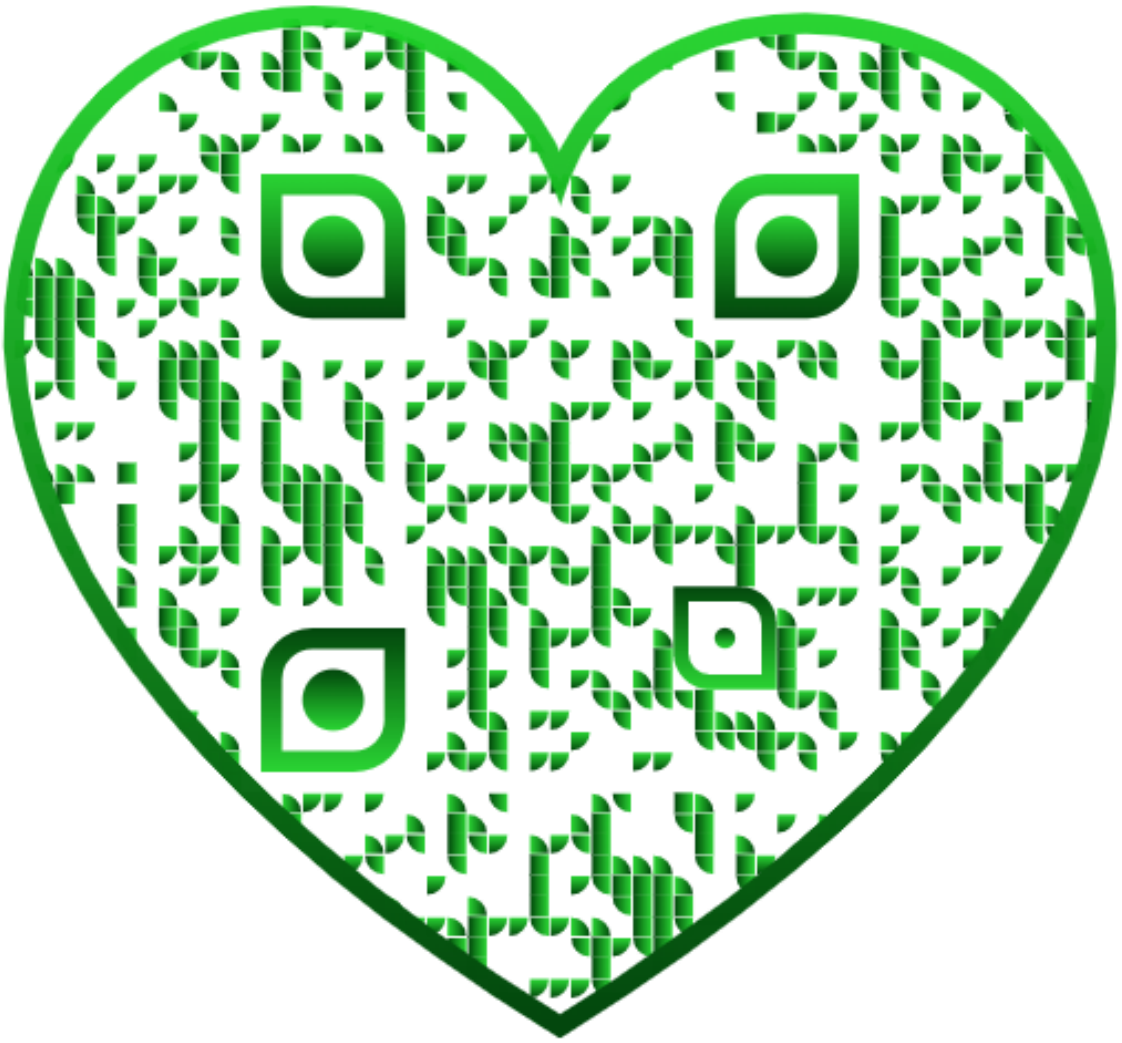
Micro Lab Revision

Second Terrm



Immunochromatography Technique

Q1) This test is used for diagnosis of Gastro-intestinal disease?

A) H. pylori cassette.

Q2) Name the method?

A) H. pylori Ab. rapid Test.

Q3) Where is Ag of H. pylori found?

A) In Test line

Q4) What's found in conjugate pad?

A) H. pylori Ag conjugates with Colloid gold.

Q5) Give the result & the interpretation?

A)

① +ve → present H. pylori Ab.

② -ve → absent // //.

③ invalid

- → The directions may not have been followed correctly.
- → Insufficient specimen volume.
- → The Test Kit is expired.

Blood Groups

1) What's the name of the test?

A) ABO grouping Rh System.

2) Name the Method ?

A) Slide ggtutination method = Slide techique

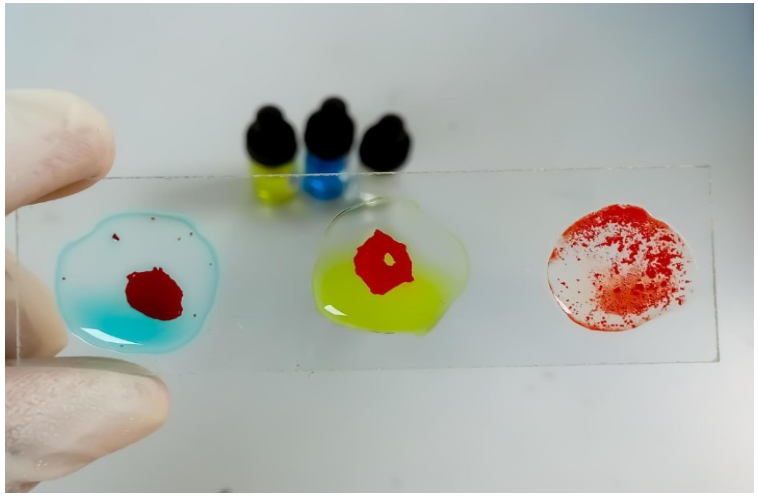
3) Where we can found analytic factor?

A) on Rh

4) Give result & interpretation.

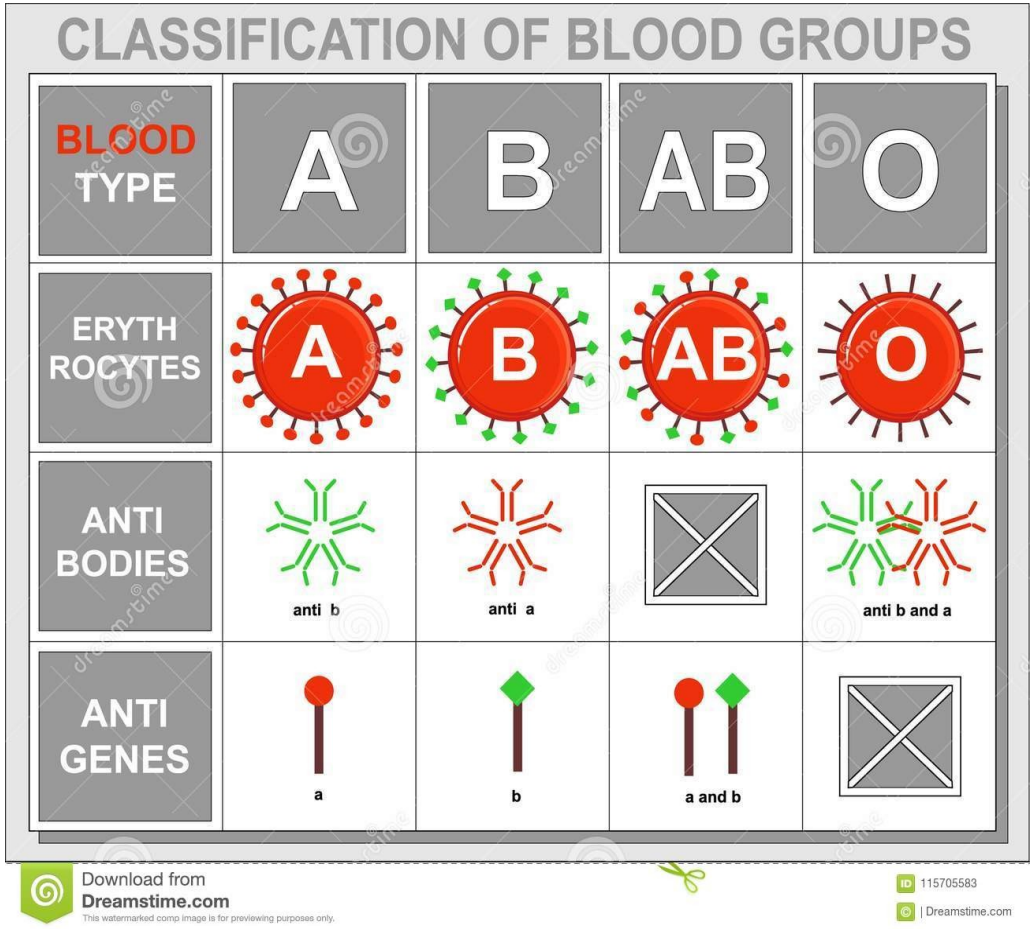
A) اسم الفصيلة

لبس حصل agglutination



AB+ person which types of blood groups he can ? receive

Anti-A
MONOCLONAL ANTIBODIES
Store at 2-8°C
DO NOT FREEZE
Anti-B
MONOCLONAL ANTIBODIES
Store at 2-8°C
DO NOT FREEZE
Anti-D
Store at 2-8°C
DO NOT FREEZE


CLASSIFICATION OF BLOOD GROUPS
BLOOD TYPE
A
B
AB
O
ERYTH ROCYTES
A
B
AB
O
ANTI BODIES
anti b
anti a
anti b and a
ANTI GENES
a
b
a and b
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Recipient's blood type	Donor's blood type							
	O-	O+	B-	B+	A-	A+	AB-	AB+
AB+	✓	✓	✓	✓	✓	✓	✓	✓
AB-	✓		✓		✓		✓	
A+	✓	✓			✓	✓		
A-	✓				✓			
B+	✓	✓	✓	✓				
B-	✓		✓					
O+	✓	✓						
O-	✓							

Blood group	Anti-A	Anti-B	Anti-D	Control
A+				
A-				
B+				
B-				
AB+				
AB-				
O+				
O-				
Not valid				

Agglutination Tests

Q1) It is abnormal ptn occurs in the serum of many patients suffering from rheumatoid arthritis ?

A) Rheumatoid factor Test.

Q2) Determine the level of the test ?

A) According to agglutination

- If it is present → More than 80%
- If it is absent → Normal (60-80%)

Interpretation : present IgM Ab
// : absent // //

Q3) Whatis found in latex reagent ?

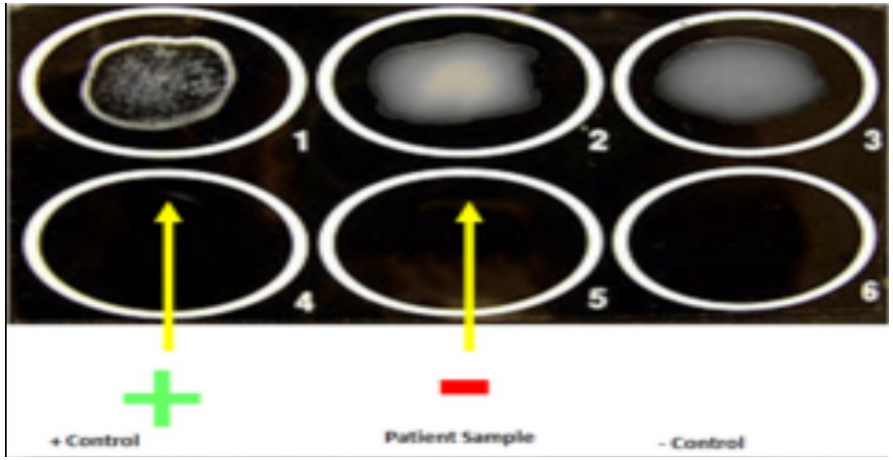
A) IgG Ab

Q4) Type of sample ?

A) Serum

Q5) Result ?

A) negative



ELISA

Q1) Concentration ?

A) high

Low

Q2) Is Stop Solution added?

A) ① If It is Yellow → Yes

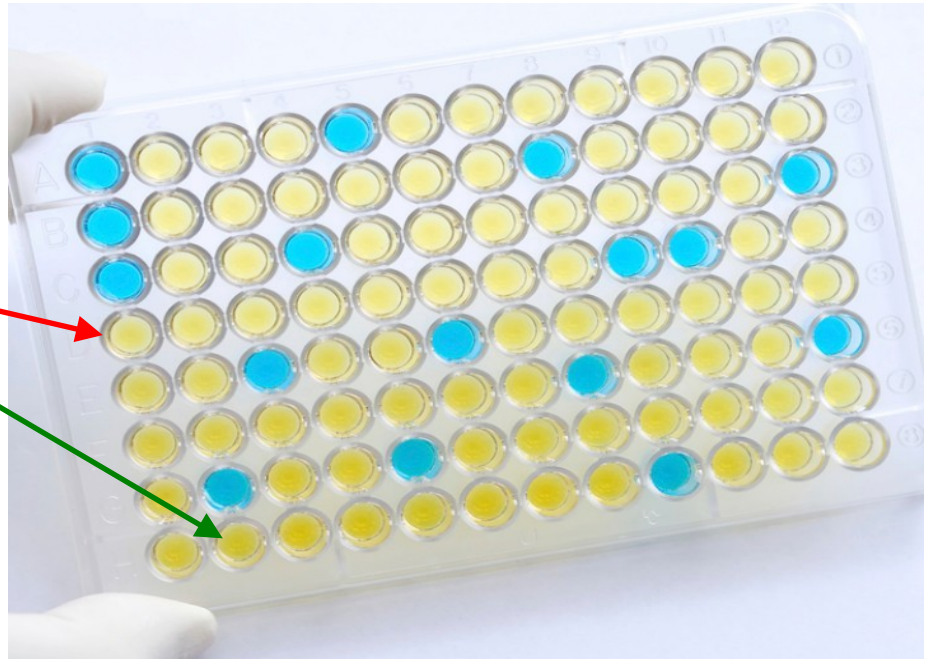
② If it is another color rather than Yellow → No

Q3) Types of ELISA ?

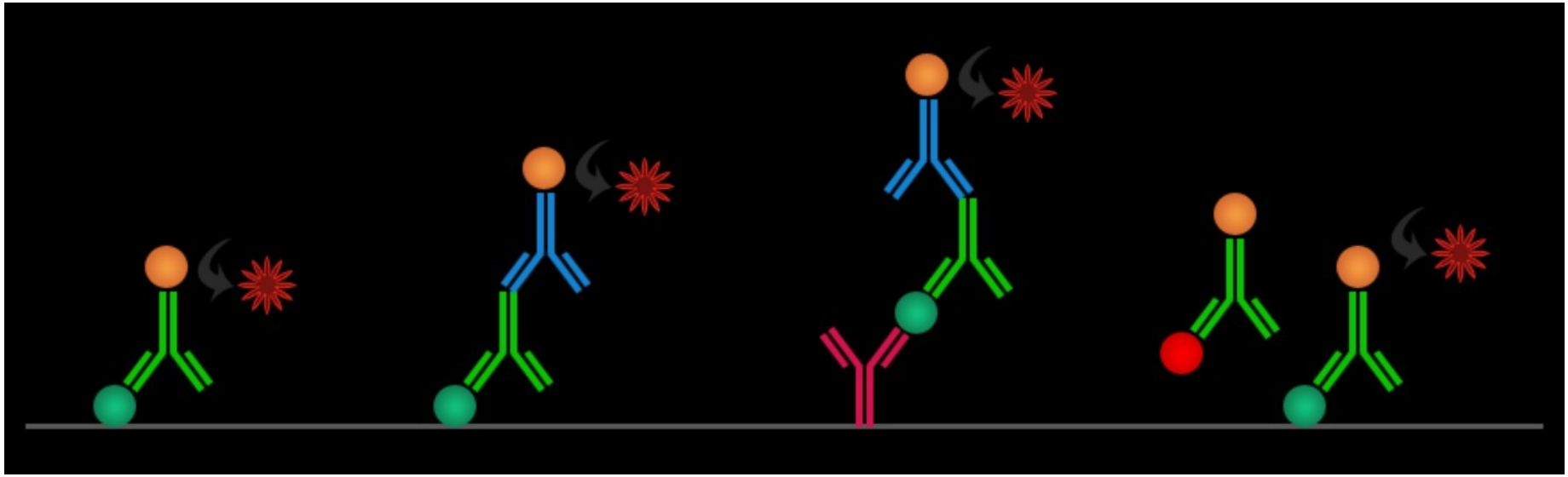
A) 1- Direct

2- Indirect

3- Sandwitch



? Name the elements



Name this , what's its function & in ? which step we use it

? Name each one of these tools & give its function

Fungus Diagnostic Test

من الآخر : احفظوا الصور اللي في الملزمة صفحة 25 و 26 و 27 و 28 مع بيانات كل صورة بالكامل

Antibiotic Sensitivity Test

Q1) Name this test?

A) 1- Antibiotic Susceptibility test
or
2- Sensitivity Testing
or
3- Antimicrobial Susceptibility Test.

Q2) What's the name of this method?

A) Kirby-Bauer Deviation Test.

Q3) Is there difference btw the 2 parts of this plate?

A) Yes.. because there are 2 microbes & the sensitivity itself ; resistant, intermediate, sensitive

Q4) Determine the most sensitive disk in this plate?

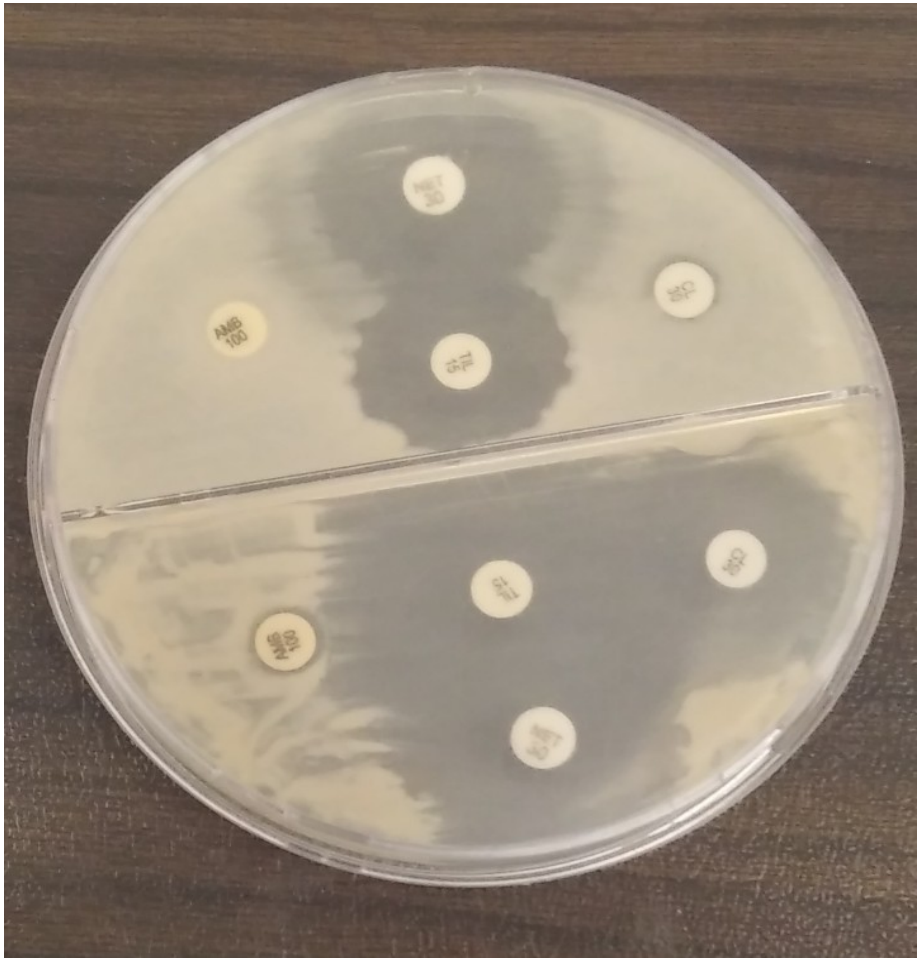
A) Inhibition Zone الـ قياس بعد المضاد الحيوي اسم تحديد

وقد يمكن تدي الكتورة طبق وفيه مضادان حيويان يمتلكان نفس الـ Inhibition Zone بس ضروري ترجع إلى الجدول وتشوف الـ dose وتحكم منه الأكثر حساسية.

Q6) Measure the Inhibitory zone in the disk of CL?

A) ① Measure ; - - - - -

② Comment ; Sensitive, intermediate, resistant



Q1) Record your observation for this plate?

A) There are more than one organism.

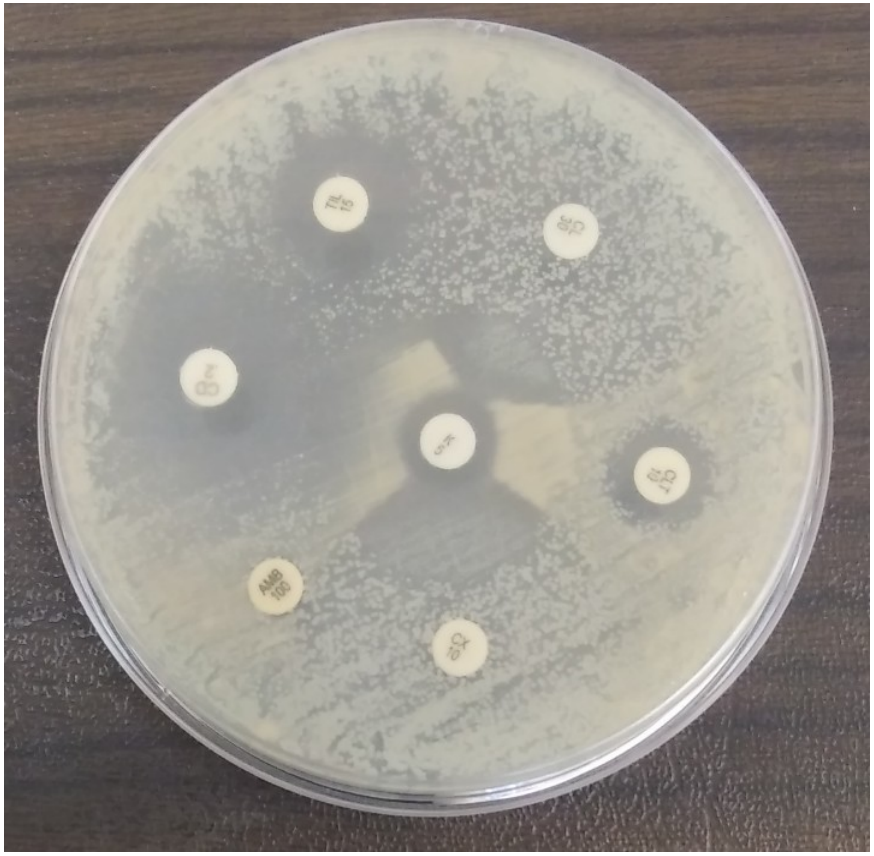
Q2) Can you expect this result?

A) No, because there are more than one microbe. or

because the disk is insensitive

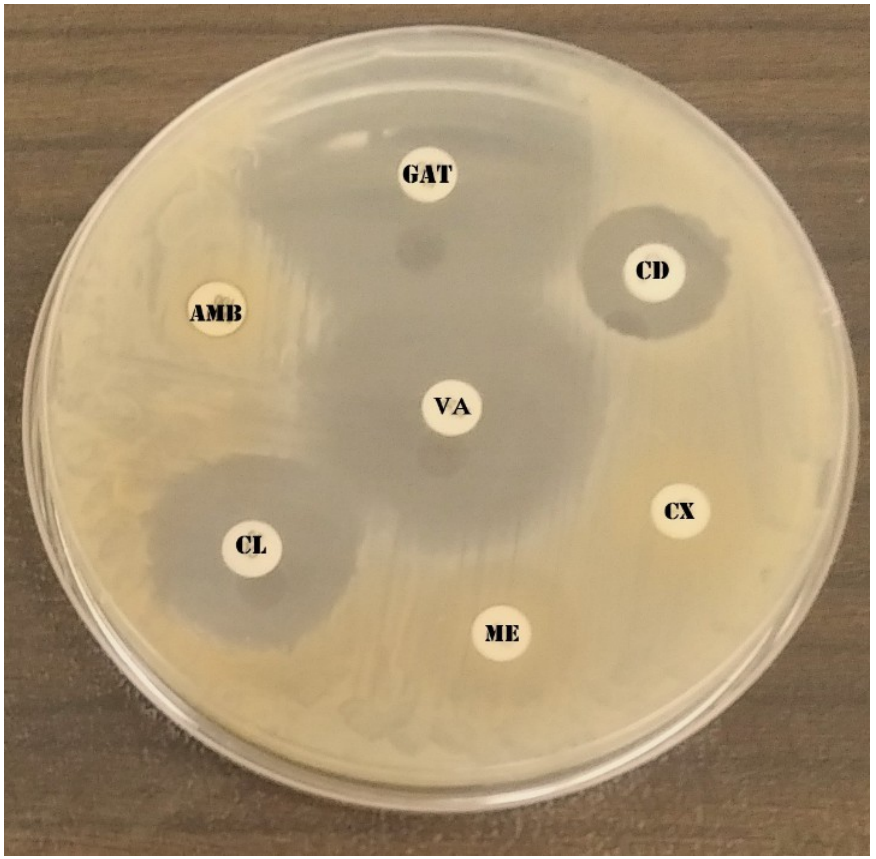
لأنه في البداية حصل < IZ > ثم نمت البكتيريا مرة أخرى.

So repeat the test



Q) Determine the resistant antibiotics in this plate?

A) تذكر أسماء المضادات الحيوية وتعلل سبب الـ resistant بقياس الـ Inhibition Zone.



Q1) Record your observation for this plate?

A) I can see 2 disks in the same position.

Q2) Can you expect this result?

A) No.. because I can't measure the inhibition zone.

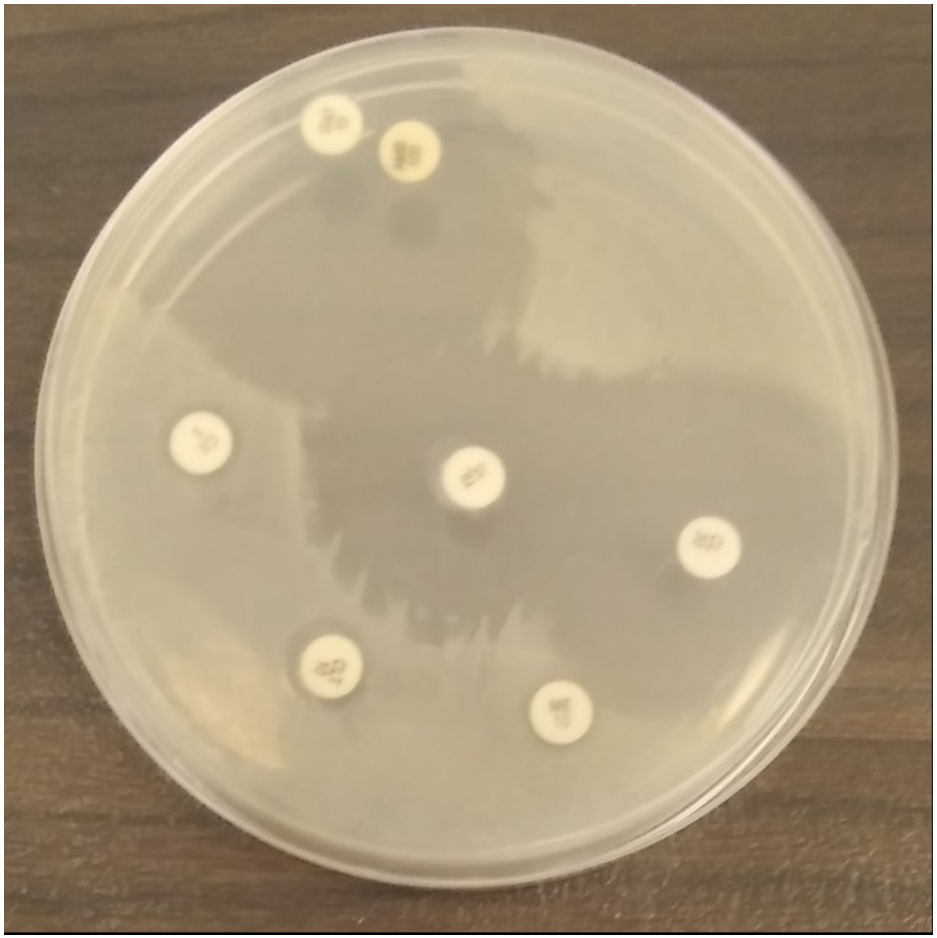
Q3) Name the media & why we use it?

A) Mueller-Hinton media "agar" & we use it to test a specific microbe response to the antibiotics.

Q

Name this tool & what's its function?

في صفحة 33 في ملزمة الدكتورة



Thank
You